

Comparisons of Job Characteristics

Focus Occupation: Extruding and Forming Machine Setters, Operators, and Tenders, Synthetic and Glass Fibers (51-6091)

Associated Occupation: Heat Treating Equipment Setters, Operators, and Tenders, Metal and Plastic (51-4191)

Compare Knowledge

Compare Skills

Compare Abilities

Compare Detailed Work Activities

Compare Tools and Technologies

<<	Focus occupation element is much lower
<	Focus occupation element is lower
0	Focus occupation element is at a similar level
>	Focus occupation element is at a higher level
>>	Focus occupation element is at a much higher level

Knowledge

Similarity of Focus Occupation to Associated Occupation: 77

Focus Occupation: Extruding and Forming Machine Setters, Operators, and Tenders, Synthetic and Glass Fibers (51-6091)

Associated Occupation: Heat Treating Equipment Setters, Operators, and Tenders, Metal and Plastic (51-4191)

Associated Occupation's Key Knowledge Elements	Average Rating, All Occupations	Associated Occupation's Rating	Focus Occupation's Rating	Evaluation of Focus Occupation
Production and Processing	6.0	8.6	9.8	> Current knowledge level is likely sufficient
Chemistry	4.8	7.3	2.9	<< Extensive education and/or training may be required
Physics	4.3	6.1	2.6	<< Extensive education and/or training may be required

The maximum possible rating is 25.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O*NET (Occupation Information Network) data.

Skills

Similarity of Focus Occupation to Associated Occupation: 92

Focus Occupation: Extruding and Forming Machine Setters, Operators, and Tenders, Synthetic and Glass Fibers (51-6091)

Associated Occupation: Heat Treating Equipment Setters, Operators, and Tenders, Metal and Plastic (51-4191)

Associated Occupation's Key Skills Elements	Average Rating, All Occupations	Associated Occupation's Rating	Focus Occupation's Rating	Evaluation of Focus Occupation
Operation and Control	5.4	12.0	10.3	< A higher skill level may be required
Operation Monitoring	6.6	11.8	11.9	0 Current skill level may be sufficient
Equipment Maintenance	3.5	8.9	9.1	0 Current skill level may be sufficient
Repairing	3.4	8.1	9.0	> Skill level is likely sufficient
Troubleshooting	4.5	7.3	7.9	0 Current skill level may be sufficient
Equipment Selection	3.3	6.7	6.6	0 Current skill level may be sufficient

The maximum possible rating is 25.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O*NET (Occupation Information Network) data.

Abilities		Similarity of Focus Occupation to Associated Occupation: 84			
Focus Occupation: Extruding and Forming Machine Setters, Operators, and Tenders, Synthetic and Glass Fibers (51-6091)					
Associated Occupation: Heat Treating Equipment Setters, Operators, and Tenders, Metal and Plastic (51-4191)					
Associated Occupation's Key Abilities Elements	Average Rating, All Occupations	Associated Occupation's Rating	Focus Occupation's Rating	Evaluation of Focus Occupation	
Reaction Time	4.8	11.6	10.5	<	Some improvement in abilities may be required
Selective Attention	8.7	11.4	9.3	<	Some improvement in abilities may be required
Multilimb Coordination	6.0	10.8	9.6	<	Some improvement in abilities may be required
Static Strength	5.0	10.8	7.3	<<	Extensive improvement in abilities may be required
Rate Control	3.8	9.5	8.8	0	Current ability level may be sufficient
Stamina	4.0	8.9	5.3	<<	Extensive improvement in abilities may be required
Response Orientation	4.0	8.8	7.9	<	Some improvement in abilities may be required
Speed of Limb Movement	3.2	7.1	5.0	<<	Extensive improvement in abilities may be required

The maximum possible rating is 25.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O*NET (Occupation Information Network) data.

Activities that Both Occupations Have in Common		Similarity of Focus Occupation to Associated Occupation: 88
Focus Occupation: Extruding and Forming Machine Setters, Operators, and Tenders, Synthetic and Glass Fibers (51-6091) Associated Occupation: Heat Treating Equipment Setters, Operators, and Tenders, Metal and Plastic (51-4191)		
Work Activities	Exclusivity of Activity	
Adjust production equipment/machinery setup	25	
Attach or mark identification onto products or containers	54	
Clean equipment or machinery	20	
Load or unload material or workpiece into machinery	34	
Maintain production or work records	19	
Perform safety inspections in manufacturing or industrial setting	33	
Use precision measuring tools or equipment	17	

Not all positions in these occupations will necessarily perform all of the listed activities. The exclusivity rating is an indication of how unique the activity is amongst all occupations. The maximum rating is 100. High scores indicate that only a small number of occupations engage in that activity.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O*NET (Occupation Information Network) data.

Tools and Technologies that Both Occupations Have in Common

Similarity of Focus
Occupation to Associated
Occupation: n/a

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Associated Occupation: Heat Treating Equipment Setters, Operators, and Tenders, Metal and Plastic (51-4191)

Tools and Technologies

Exclusivity

Tools and technology data is unavailable for one or both occupations.

Not all positions in these occupations will necessarily use all of the listed tools and technologies. The exclusivity rating is an indication of how unique the tool or technology is amongst all occupations. The maximum rating is 100. High scores indicate that only a small number of occupations use that tool or technology.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O*NET (Occupation Information Network) data.